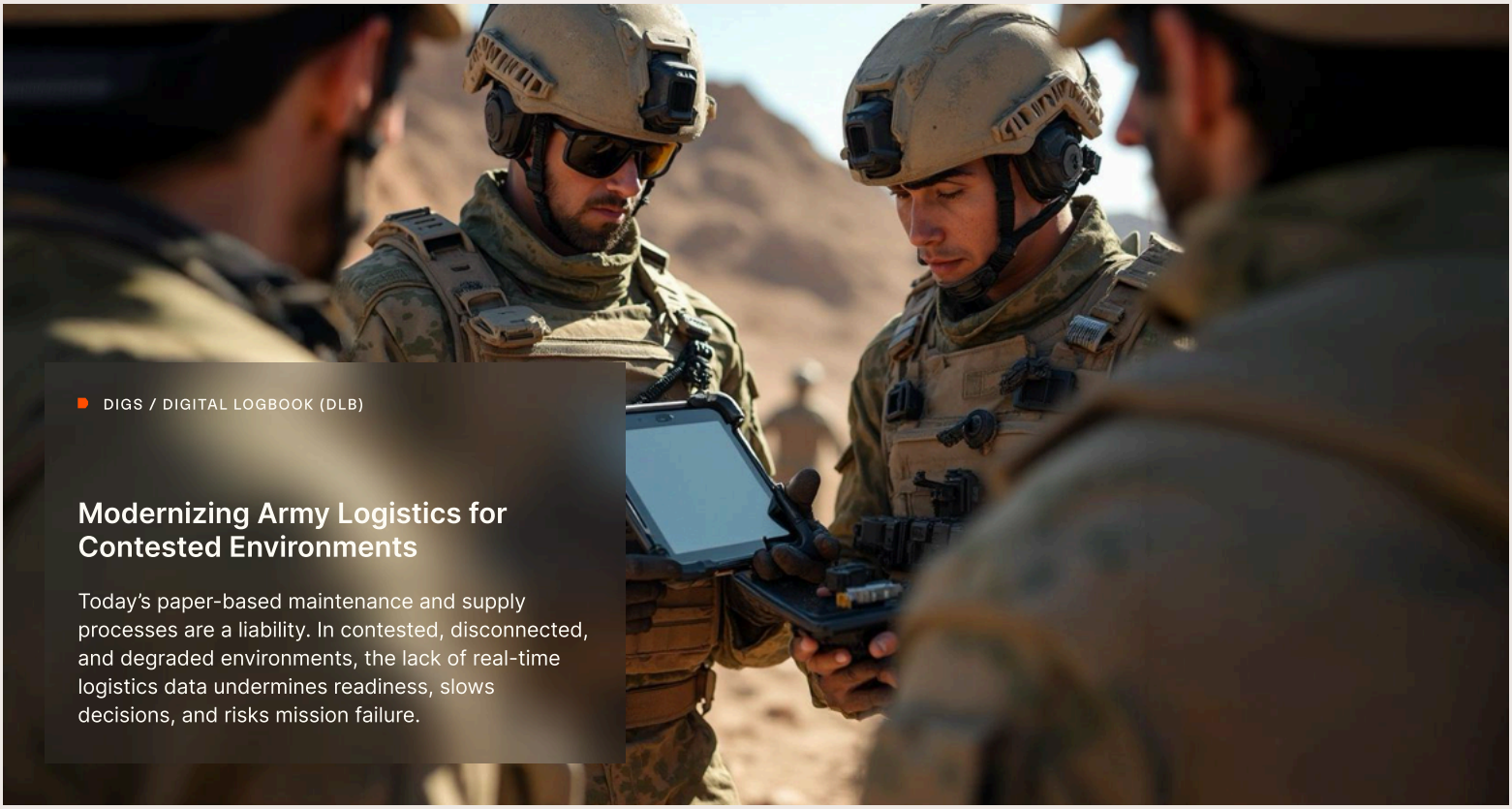


DIGS / DIGITAL LOGBOOK (DLB)

Modernizing Army Logistics for Contested Environments

Today's paper-based maintenance and supply processes are a liability. In contested, disconnected, and degraded environments, the lack of real-time logistics data undermines readiness, slows decisions, and risks mission failure.

01. THE OPERATIONAL PROBLEM

The Readiness Gap

As the U.S. Army advances modernization priorities for multi-domain operations, manual logistics systems can no longer keep pace. Without accurate, real-time data at the edge, commanders lack the insight needed to predict failures, prioritize repairs, and sustain operational momentum.

02. THE SHIFT REQUIRED

Modern Operations Demand Digital Logistics

Maintaining operational relevance requires an expeditionary, resilient, and platform-agnostic digital sustainment capability—one that functions at the edge, integrates seamlessly with enterprise systems, and supports predictive logistics.

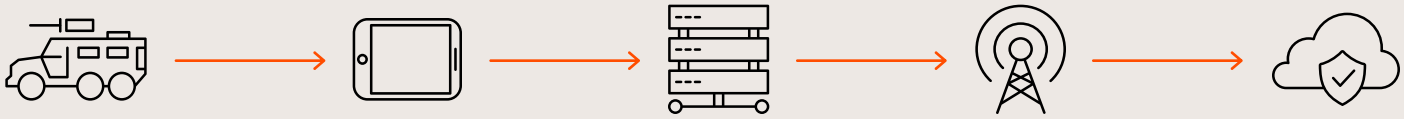
03. THE SOLUTION

Detroit Defense Integrated Ground Systems (DIGS)

At the core of DIGS is the Detroit Defense Digital Logbook (DLB)—a Modular Open Systems Approach (MOSA) software application purpose-built to digitize maintenance, supply, and readiness operations across Army ground combat, tactical, and watercraft platforms.

DIGS Data Flow: From Platform to Enterprise

DIGS captures, validates, and delivers maintenance and logistics data from the point of action to enterprise systems—even in disconnected, degraded, and denied environments.



VEHICLE PLATFORM
Embedded system data capture

OPERATOR / MAINTAINER DEVICE
Digital PMCS, dispatch & diagnostics

EDGE SYNC NODE
Offline-capable data aggregation

RESILIENT COMMUNICATIONS
LOS / BLOS / SATCOM enabled

ARMY ENTERPRISE SYSTEMS
GCSS-Army & readiness visibility

HOW DBL WORKS

ONE SYSTEM. EVERY ENVIRONMENT.

DLB delivers seamless, resilient logistics operations in both connected and contested environments.

On-Platform:	Embedded software integrated directly with vehicle systems
At-Platform:	Handheld devices for operators and maintainers
Enterprise:	Cloud-based Army logistics integration

CORE CAPABILITIES

Data Collection & Integration

Collects fault, usage, and configuration data through wired or wireless platform interfaces.

Guided Maintenance

Digitally guides operators and maintainers through PMCS, diagnostics, and troubleshooting workflows.

Automation At The Edge

Auto-populates digital forms for PMCS, dispatch, fuel, and ammo—eliminating manual entry and errors.

Enterprise Alignment

Seamlessly integrates with GCSS-Army, IETMs, and RPSTLs to ensure data consistency across systems.

OPERATIONAL IMPACT

DECISION ADVANTAGE STARTS WITH DATA

DLB reduces time to troubleshoot, accelerates maintenance actions, prevents ordering errors, and provides commanders with real-time visibility into fleet health and readiness.



Increased Readiness

Real-time visibility into fleet health enables faster prioritization of maintenance actions and reduces preventable equipment downtime.

Streamlined Supply Chain

Accurate, high-fidelity maintenance data prevents incorrect part orders, reduces over-ordering, and improves demand forecasting.

Faster Repairs

Guided diagnostics, automated data capture, and validated records reduce troubleshooting time and accelerate return-to-mission timelines.

High Fidelity, Trusted Data

Digitally validated records eliminate manual entry errors and provide commanders with reliable readiness reporting at every echelon.

PLATFORMS SUPPORTED

COMBAT VEHICLES | TACTICAL VEHICLES | TRANSPORT VEHICLES | WATERCRAFT | GENERATORS